

PM32

53345-14

10/4

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
253979

Application for Pesticide - Section I

1. Company/Product Number 53345-14	2. EPA Product Manager RUTH DOUGLAS	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) ERCOPURE 25	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) STERLING PULP CHEMICALS, LTD. 2 GIBBS ROAD ISLINGTON, ONTARIO CANADA, M9B 1R1 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION

REVISING LABEL ("ENVIRONMENTAL HAZARDS") IN ACCORDANCE WITH PR NOTICE 93-10.

I certify that this notification meets every requirement of PR Notice 88-6.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name ELIOT I. HARRISON		Title AGENT FOR STERLING		Telephone No. (Include Area Code) (301) 652-5495	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title AGENT FOR STERLING			
4. Typed Name ELIOT I. HARRISON		5. Date 8/28/95			

**Sterling
Pulp
Chemicals,
Ltd.**

2 Gibbs Road
Toronto, Ontario
Canada M9B 1R1

Net Contents:
55 U.S. gals.
210 Liters

ERCOPURE 25

Sodium Chlorite Solution

FOR USE IN GENERATING CHLORINE DIOXIDE TO CONTROL
MICRO-ORGANISMS IN WATER AND WASTE WATER
KEEP OUT OF REACH OF CHILDREN

DANGER

SEE PRECAUTIONARY STATEMENT AND FIRST AID INFORMATION
PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS & DOMESTIC ANIMALS

DANGER

Corrosive, causes eye and skin damage.
Do not get in eye, or on clothing.
Wear goggles, or face shield, and use only Neoprene gloves, when handling.
May be fatal if swallowed, irritating to nose and throat.
Do not breathe dust, vapors or spray mist.
Combustible material contaminated with ERCOPURE 25 may burn rapidly if ignited.
Remove and wash contaminated clothing immediately.
Avoid hot surfaces, sparks or open flames.
Contact with acids may release toxic gas.
Use only clean dry utensils when handling.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARD

Strong oxidizing agent. Mix or dilute with water only.
Mixing with acids, or alcohol, or other chemicals may cause evolution of chlorine and chlorine dioxide gas mixture which is toxic and may be explosive.
Combustible materials contaminated with ERCOPURE 25 may burn rapidly. Keep handling areas and equipment clean and free of oils, greases, combustibles and dust.
Do not contaminate product with garbage, dirt, organic matter, paint products, solvents, acids, vinegar, beverages, oils, pigments, dirty rags or other foreign matter.
Do not expose to hot surfaces, sparks or open flame.

"AFTER"

FIRST AID:

STATEMENT OF PRACTICAL TREATMENT

Eyes: Flush with plenty of water for 15 minutes. Get medical attention immediately.
Skin: Shake off excess chemical. Flush with plenty of water for 15 minutes while removing clothing. If irritation develops, get medical attention. Wash contaminated clothing immediately.

IF SWALLOWED:

Promptly drink large quantities of water. Do not induce vomiting. Avoid alcohol. Call a physician immediately.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

APPLICATIONS

ERCOPURE 25 is used to generate chlorine dioxide for use as a sterilizing, sanitizing, disinfecting agent and for microorganism control in water and waste water. Examples of applications of chlorine dioxide generated from ERCOPURE 25 include:

- potable water disinfection waste water and sewerage disinfection
- algae and bacterial slime control in industrial cooling systems
- microorganisms control on hard surfaces
- bacterial slime control in pulp and paper white water systems.

ACTIVE INGREDIENT: Sodium Chlorite
INERT INGREDIENTS:
TOTAL:

DOSAGE RATE, FREQUENCY

The required dosage rate, frequency may vary for each individual user, depending on temperature and pH. Typical concentrations are 0.5 and 5 ppm on a continuous basis or intermittent shock dose basis. Your State Water Board representative can guide you in specific applications.

METHOD OF APPLICATION

Chlorine dioxide generation must take place in a chlorine dioxide generator. These generators use either chlorine or a chlorine solution as an oxidizing agent in an aqueous solution of chlorine dioxide. The chlorine dioxide is then applied to the system to be treated which ensures the acid generation of chlorine dioxide can be controlled by contacting sodium chlorite in an aqueous solution. Do not apply ERCOPURE 25 directly to the system. For more information, contact Sterling Pulp Chemicals, Ltd., representative can guide you in specific applications. Follow all instructions in the chlorine dioxide generator manual.

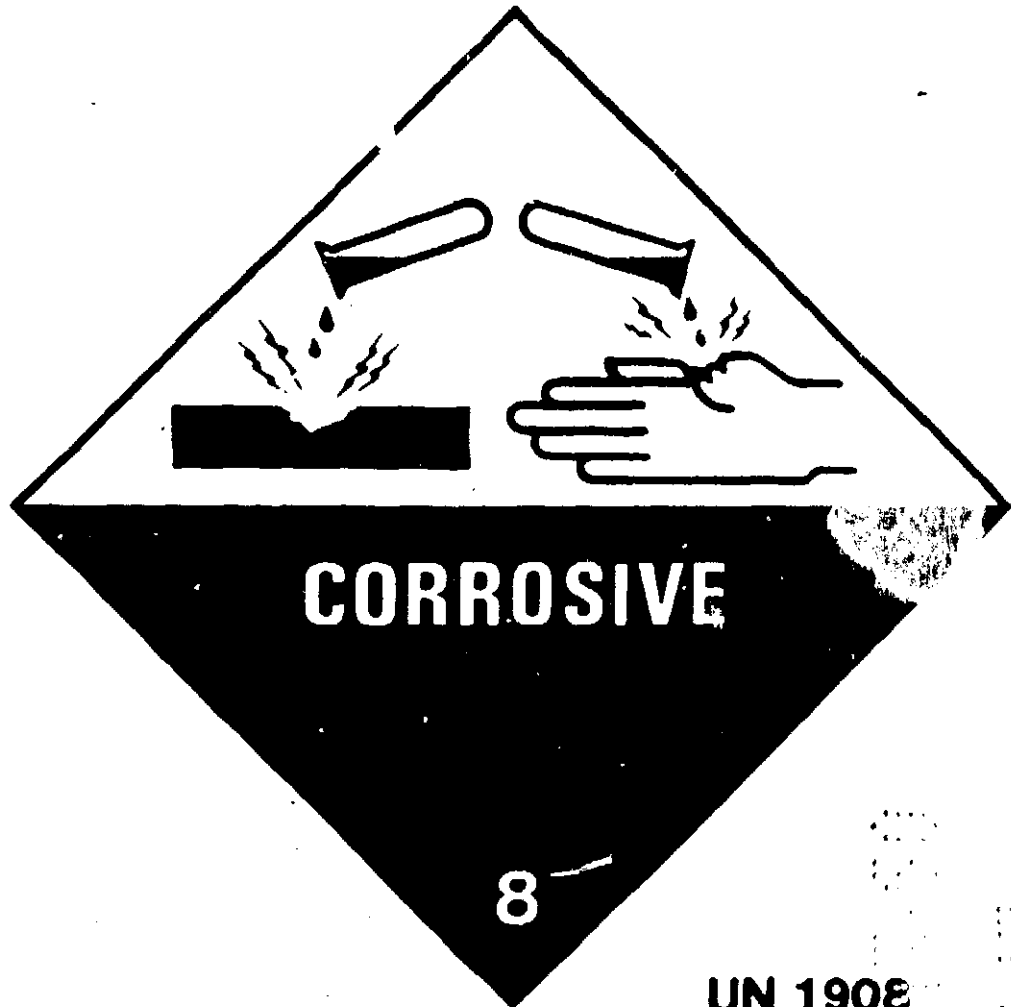
STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEEDSTUFFS.
DISPOSAL: Avoid exposure to high temperatures. Store in a cool, dry place remote from other chemicals and combustible materials.
PESTICIDE DISPOSAL: Pesticide wastes are acutely toxic. Follow all instructions for disposal of excess pesticide, spray mixtures, and empty containers. If these wastes cannot be disposed of by the above instructions, contact your State Pesticide Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
CONTAINER DISPOSAL: Triple rinse container, or equivalent, before recycling or reconditioning, or puncturing or otherwise disposing of by other procedures approved of by the appropriate authority.

EPA Registration No.:
EPA Est. No.:

BEST AVAILABLE COPY

SODIUM CHLORITE SOLUTION



CORROSIVE

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ERCOPURE 25

Sodium Chlorite Solution

FOR USE IN GENERATING CHLORINE DIOXIDE TO CONTROL MICRO-ORGANISMS IN WATER AND WASTE WATER

KEEP OUT OF REACH OF CHILDREN

DANGER

SEE PRECAUTIONARY STATEMENT AND FIRST AID INFORMATION

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS & DOMESTIC ANIMALS

DANGER

Corrosive, causes eye and skin damage. Do not get in eye, on skin, or on clothing. Wear goggles, or face shield, and use only Neoprene gloves, when handling. May be fatal if swallowed, irritating to nose and throat. Do not breathe dust, vapours or spray mist. Combustible materials contaminated with ERCOPURE 25 may burn rapidly if ignited. Remove and wash contaminated clothing immediately. Avoid hot surfaces, sparks or open flames. Contact with acids may release toxic gas. Use only clean dry utensils when handling.

ENVIRONMENTAL HAZARD

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARD

Strong oxidizing agent. Mix or dilute with water only. Mixing with acids, or alcohol, or other chemicals may cause evolution of chlorine and chlorine dioxide gas mixture which is toxic and explosive. Combustible materials contaminated with ERCOPURE 25 may burn rapidly. Keep handling areas and equipment clean and free of oils, greases, combustibles and dust. Do not contaminate product with garbage, dirt, organic matter, paint products,

solvents, acids, vinegar, beverages, oils, pine oils, dirty rags or other foreign matter. Do not expose to hot surfaces, sparks or open flame.

FIRST AID

STATEMENT OF PRACTICAL TREATMENT

Eyes: Flush with plenty of water for 15 minutes. Get medical attention immediately.

Skin: Shake off excessive chemical. Flush with plenty of water for 15 minutes while removing clothing. If irritation develops get medical attention. Wash contaminated clothing immediately.

IF SWALLOWED:

Promptly drink large quantities of water. Do not induce vomiting. Avoid alcohol. Call a physician immediately.

DIRECTIONS FOR USE

General Classification

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling.

APPLICATIONS

ERCOPURE 25 is used to generate chlorine dioxide for use as a sterilizing, sanitizing, disinfecting agent and micro-organisms control in water and waste water. Examples of applications of chlorine dioxide generated from ERCOPURE 25 include:

- potable water disinfection, waste water and sewerage disinfection
- algae and bacterial slime control in industrial cooling systems
- microorganisms control on hard surfaces
- bacterial slime control in pulp and paper white water systems.

ACTIVE INGREDIENT: Sodium Chlorite 25%
INERT INGREDIENTS: 75%
TOTAL: 100%

DOSAGE, RATE, FREQUENCY AND CONCENTRATION

The required dosage rate, frequency and concentration of chlorine dioxide may vary for each individual user, depending on severity of contamination, temperature and pH. Typical concentrations of chlorine dioxide are between 0.5 and 5 ppm on a continuous basis or between 5 ppm and 100 ppm on an intermittent shock dose basis. Your Sterling Pulp Chemicals, Ltd. Representative can guide you in specific applications.

METHOD OF APPLICATION

Chlorine dioxide generation must take place only under controlled conditions in a chlorine dioxide generator. These generators react ERCOPURE 25 with either chlorine or a chlorine solution and hydrochloric acid producing an aqueous solution of chlorine dioxide. This solution is then added at a point in the system to be treated which ensures uniform mixing. Alternatively, a weak acid generation of chlorine dioxide can be used. This method involves contacting sodium chlorite in an aqueous solution with citric acid. Do not apply ERCOPURE 25 directly to the system being treated. Your Sterling Pulp Chemicals, Ltd. Representative can guide you in the method of application. Follow all instructions in the chlorine dioxide generator manual carefully.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

STORAGE: Avoid exposure to high temperatures during storage. Store remote from other chemicals and combustible materials. Do not roll or slide drums.

PESTICIDE DISPOSAL: Pesticide wastes are actually hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent) all containers and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved of by state and local authorities.

EPA Registration No.: 53345-14
EPA Est. No.: 53345-CN.01

MANUFACTURED IN CANADA BY STERLING PULP CHEMICALS, LTD. 2 Gibbs Road, Toronto, Ontario M9B 1R1